

# Jingang Su

## List of Publications by Year in descending order

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26  
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times ranked

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#	ARTICLE	IF	CITATIONS
1	Effect of Temperature and Mechanical Stress on Charge Transport and Ageing Properties of EPDM for Cable Accessories. , 2021, , 271-292.		0
2	Conduction and Charge Transport Characteristics of Silicone Rubber Composites with Nonlinear Conductivity. , 2021, , 215-242.		1
3	Effect of Crystalline Morphology on Electrical Tree Growth Characteristics of High-Density and Low-Density Polyethylene Blend Insulation. IEEE Access, 2020, 8, 114413-114421.	4.2	9
4	Electrical tree degradation in high-voltage cable insulation: progress and challenges. High Voltage, 2020, 5, 353-364.	4.7	74
5	Nanoscale-trap-modulated electrical degradation in polymer dielectric composites using antioxidants as voltage stabilizers. Composites Part B: Engineering, 2019, 178, 107434.	12.0	17
6	Electrical Tree Growth Characteristics in Epoxy Resin With Harmonic Superimposed DC Voltage. IEEE Access, 2019, 7, 47273-47281.	4.2	20
7	Inhibition Effect of Graphene Nanoplatelets on Electrical Degradation in Silicone Rubber. Polymers, 2019, 11, 968.	4.5	9
8	Electrical Tree Characteristics in Polypropylene Under Impulse Superimposed DC Voltage in LN <sub>2</sub> . IEEE Transactions on Applied Superconductivity, 2019, 29, 1-3.	1.7	4
9	Multistep and Multiscale Electron Trapping for High-Efficiency Modulation of Electrical Degradation in Polymer Dielectrics. Journal of Physical Chemistry C, 2019, 123, 7045-7053.	3.1	26
10	Effects of Antioxidant Additives on Electrical Tree Characteristics in EPDM Under Liquid Nitrogen. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	4
11	DC-Impulse Voltage-Dependent Electrical Tree Growth Characteristics of Epoxy Resin in LN <sub>2</sub> . IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	2
12	Surface Discharge Property of Polypropylene/BN Nanocomposite for HTS Apparatus Application. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.7	1
13	Electrical Tree Characteristics in SIR/MMT Nano-composite under Repetitive Pulse Voltage. , 2018, , .		0
14	Effect of Field-dependent Conductivity on Surface Charge Decay in ZnO/Silicone Rubber Composites. , 2018, , .		0
15	Inhibition Effect of Graphene on Space Charge Injection and Accumulation in Low-Density Polyethylene. Nanomaterials, 2018, 8, 956.	4.1	16
16	Improving Electric Field Distribution in HTS DC Cable Terminals by Nonlinear Conductive Epoxy/ZnO Composites. , 2018, , .		0
17	Electrical Tree in Silicone Rubber under Voltage Combined of DC and Pulse. , 2018, , .		0
18	Electrical Tree Characteristics in SIR/MMT Nano-composite under Repetitive Pulse Voltage. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	Electrical Tree in Silicone Rubber under Voltage Combined of DC and Pulse. , 2018, , .		0
20	Effects of Temperature Variation on Dielectric Properties of EPDM/SiC Composites for HTS Power Leading Insulation. , 2018, , .		0
21	Influence of Antioxidants on Electrical Tree Properties in EPDM under Liquid Nitrogen. , 2018, , .		0
22	Effect of Pulse Voltage Polarity on Electrical Tree under Combined DC-pulse Voltage in LN <sup>2</sup> . , 2018, , .		0
23	Electrical Tree Initiation and Growth in Silicone Rubber under Combined DC-Pulse Voltage. Energies, 2018, 11, 764.	3.1	19
24	Surface Layer Fluorination-Modulated Space Charge Behaviors in HVDC Cable Accessory. Polymers, 2018, 10, 500.	4.5	32
25	Understanding Trap Effects on Electrical Treeing Phenomena in EPDM/POSS Composites. Scientific Reports, 2018, 8, 8481.	3.3	39
26	Effect of Field-dependent Conductivity on Surface Charge Decay in ZnO/Silicone Rubber Composites. , 2018, , .		0